

**Table 5.5 – Electric Power Sector Energy Consumption**

(Trillion Btu)

	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2010</u>	<u>2020</u>	<u>2025</u>
Coal	12,123	16,235	20,185	19,494	19,733	20,419	22,812	25,279	28,544
Natural Gas	3,810	3,224	5,120	5,271	5,522	4,805	6,874	9,640	9,615
Petroleum	2,634	1,281	1,145	1,270	955	1,200	1,263	1,400	1,432
Other Gas <sup>1</sup>	NA	6	19	9	25	13	NA	NA	NA
Total Fossil Fuels	18,567	20,746	26,470	26,044	26,235	26,437	30,949	36,320	39,591
Nuclear Electric Power	2,739	6,104	7,862	8,033	8,143	7,973	8,490	8,666	8,666
Hydroelectric Pumped Storage <sup>2</sup>	---	-36	-57	-90	-88	-88	NA	NA	NA
Conventional Hydroelectric	2,867	3,014	2,768	2,169	2,636	2,722	3,084	3,083	3,083
Wood	3	106	126	116	141	152	323	365	399
Waste	2	180	294	314	353	336	344	353	354
Geothermal	110	326	296	289	305	276	271	607	925
Solar <sup>3</sup>	NA	4	5	6	6	5	11	17	20
Wind	NA	29	57	68	105	108	266	325	355
Total Renewable Energy	2,982	3,658	3,547	2,962	3,545	3,600	4,299	4,750	5,136
Electricity Imports	71	8	115	75	78	22	31	52	38
Other <sup>4</sup>	NA	0.08	1.28	0.00	6.96	1.37	NA	NA	NA
Total Primary Consumption	24,359	30,481	37,939	37,024	37,919	37,945	43,769	49,789	53,431

**Sources:** EIA, *Annual Energy Review 2003*, DOE/EIA-0384(2003) (Washington, D.C., September 2004), Table 8.4b and EIA, *Annual Energy Outlook 2005*, DOE/EIA-0383 (20045 (Washington, D.C., February 2005), Tables A2 and A17.

**Notes:**

Data are for fuels consumed to produce electricity at both electricity-only and at combined heat and power plants. Through 1988, data are for consumption at electric utilities only. Beginning in 1989, data also include consumption at independent power producers.

<sup>1</sup> Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

<sup>2</sup> Pumped storage facility production minus energy used for pumping. 1980 data included in Conventional Hydroelectric.

<sup>3</sup> Solar thermal and photovoltaic energy.

<sup>4</sup> Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.

NA = Not Available